Bachelor of Science in Biology
Neurobiology Track

Department of Biology

Chemistry and Other Courses

- Principles of Chemistry I (CHEM:1110)
- Principles of Chemistry II (CHEM:1120)
- Organic Chemistry I (CHEM:2210)

Biology Courses

- Foundations of Biology (BIOL:1411)
- Diversity of Form & Function (BIOL:1412)
- Fundamental Genetics (BIOL:2512)
- Cell Biology (BIOL:2723)
- Intro to Neurobiology (BIOL:2753)
- Neurobiology (BIOL:3253)
- Animal Behavior (BIOL:3244)
- Neurobiology Elective
- Neurobiology Elective
- Neurobiology Elective
- Neurobiology Lab (BIOL:3656)
- Experiential Elective

Physics Courses

- Physics I
- Physics II

Math Courses

- Calculus
- Statistics

Years

1

2

3 & 4

See reverse for course options

Denotes class available in the Fall

Denotes class available in the Spring
Requirements

**A**

Choose at least three of the following: *One elective must be taken at the 3000 level or above:*
- Animal Physiology (BIOL:3343, 3 s.h., S)
- Developmental Neurobiology (BIOL:3753, 3 s.h., S)
- Endocrinology (BIOL:2254, 3 s.h., F)
- Evolution (BIOL:3172 4 s.h., F and S)
- Genes and Development (BIOL:4333, 3 s.h., S)
- Introduction to Developmental Biology (BIOL:3233, 3 s.h., F)
- Introduction to Systems Biology (BIOL:3383, 3 s.h., F)
- Mechanisms of Aging (BIOL:2603, 3 s.h., F)
- Neurophysiology (BIOL:4353, 3 s.h., S)

**B**

Choose one of the following:
- Advanced Teaching Internship in Biology (BIOL:4897, 4 s.h., F and S)
- Cell Biology Laboratory (BIOL:3626, 4 s.h., F)
- Developmental Biology Lab (BIOL:3736, 4 s.h., S)
- Evolution Lab (BIOL:3676, 4 s.h., F)
- Genetics & Biotechnology Lab (BIOL:3716, 4 s.h., S)
- Honors Investigations (BIOL:4999, 6 s.h., F and S)
- Intro to Research (BIOL:3994, 5 s.h., F and S) + Communicating Research (BIOL:4898, 1 s.h., F and S)

**C**

Choose one of the following:
- Biochemistry (BIOC:3110, 3 s.h., F and S)
- Biochemistry and Molecular Biology I (BIOC:3120, 3 s.h., F and S) (must also take BIOL:3130, below)

**D**

Choose one of the following:
- Biochemistry and Molecular Biology II (BIOC:3130, 3 s.h., F and S)
- General Microbiology (MICR:2157, 3 s.h., F and S)
  + General Microbiology Lab (MICR:2158 2 s.h., F and S)
- Programming for Informatics (CS:2110, F and S)

**E**

Choose one of the following sequences:
- College Physics I (PHYS:1511, 4 s.h., F and S)
  + College Physics II (PHYS:1512, 4 s.h., F and S)
- Introductory Physics I (PHYS:1611, 4 s.h., F and S)
  + Introductory Physics II (PHYS:1612, 4 s.h., F and S)

**F**

Choose one of the following:
- Calculus for the Biological Sciences (MATH:1460, 4 s.h., F and S)
- Calculus 1 (MATH:1850, 4 s.h., F and S)
- Engineering Mathematics I: Single Variable Calculus (MATH:1550, 4 s.h., F and S)

**G**

Choose one of the following:
- Statistical Methods and Computing (STAT:2010, 3 s.h., F and S)
- Biostatistics (STAT:3510, 3 s.h., F and S)